284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	06/16/25
Project:	Row Watchung Bridge Replacement	Date Received:	06/16/25
Client Sample ID:	WBR-1	SDG No.:	Q2336
Lab Sample ID:	Q2336-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/17/25 09:40	06/17/25 16:30	PB168506

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.5		1	1.56	2.64	mg/kg	FE054447.D
Aliphatic C9-C28	Aliphatic C9-C28	10.8		1	1.20	5.28	mg/kg	FE054447.D
Total AliphaticEPH	Total AliphaticEPH	22.3			2.76	7.92	mg/kg	
Total EPH	Total EPH	22.3			2.76	7.92	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054447.D	1	06/17/25	06/17/25	PB168506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.8		1.20	5.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.5		1.56	2.64	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.5		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.3		40 - 140	89%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2336-01	Acq On:	17 Jun 2025 16:30
Client Sample ID:	WBR-1	Operator:	YP\AJ
Data file:	FE054447.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.073	6.717	1417699	11.318	300	ug/ml
Aliphatic C12-C16	6.718	10.164	1218862	9.294	200	ug/ml
Aliphatic C16-C21	10.165	13.536	5591320	41.749	300	ug/ml
Aliphatic C21-C28	13.537	17.202	7683215	60.465	400	ug/ml
Aliphatic C28-C40	17.203	22.064	16704029	130.251	600	ug/ml
Aliphatic EPH	3.073	22.064	32615125	253.077		ug/ml
ortho-Terphenyl (SURR)	11.826	11.826	7317101	44.28		ug/ml
1-chlorooctadecane (SURR)	13.270	13.270	5798746	47.55		ug/ml
Aliphatic C9-C28	3.073	17.202	15911096	122.826	1200	ug/ml